Application No.: 10/719,900

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) An array comprising a plurality of nucleic acid probes, wherein each

probe in the plurality of nucleic acid probes consists essentially of one of the sequences listed

in SEQ ID Nos. 1-982,914 and wherein the plurality of nucleic acid probes of the array

comprises each of the sequences listed in SEQ ID Nos. 1-982,914.

2. (original) The array of claim 1 further comprising at least one probe that is the perfect

complement of one of the sequences listed in SEQ ID Nos. 1-982,914.

3. (original) The array of claim 1 further comprising at least one probe that is the mismatch

probe corresponding to one of the sequences listed in SEQ ID Nos. 1-982,914, wherein the

mismatch position is the central position.

4. (original) The array of claim 1 wherein said plurality of nucleic acid probes is attached to

a solid support.

5. (currently amended) The array of claim 1 wherein the array comprises a plurality of beads

wherein the probes are attached to the beads and the probes on a bead consist essentially of

one of the sequences listed in SEQ ID Nos. 1-982,914.

6. (original) The array of claim 1 wherein the array consists of a single contiguous solid

support.

Claims 7-16 (canceled)

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